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APR 14 2003

TECH CENTER 1600/2900

1 MSVDEICENTKMGREYALLGNYETSLVYYQGVLOQIQKLL  
41 TSVHEPQRKHQWQTIRQELSQEYEHVKNITKTNLNGFKSE  
81 AAPEPAPNHRRAAPFSHHQHAAPAAEPARDPDVWPPTP  
121 VDHRPSPPYQRAARKDPPRRSEPSK PANRAPGNDRGGRGP  
161 SDRRGDARSGGGGRGGARGSDKDKNRGGKSDKDKKAPSGE  
201 EGDEKKFDPAGYDKDLVENLERDIVQRNPNVHWADIAGLT  
241 EAKRLLEEAVVLPLWMPDYFKGIRRPWKGVL MVGPPGTGK  
281 TMLAKAVATECGTTFFNVSSASLTSKYHGESEKLVRLLEF  
321 MARFYAPSTIFIDEIDSICSKRGTGSEHEASRRVKSELLI  
361 QMDGVSGPSAGEESSKMVMVLAATNFPWDIDEALRRRLEK  
401 RIYIPLPEIDGREQLLRINLKEVPLADDIDLKSIAEKMDG  
441 YSGADITNVCRDASMMAMRRRIQGLRPEEIRHIPKEELNQ  
481 PSTPADFLLALQKVSVSGKEDLVKYMAMWEEFGSV

FIG. 1A BEST AVAILABLE COPY

p60 231 VHWADIAGL TEAKRLLEEAVVLPLWMPDYFKGIRRPW.KGVLMVGPPGTG  
mei-1 190 MSLDDIIGMHDVKOVLHEAVTLPLLVPEFFOGLRSPW.KAMVLGPPGTG  
Suglp 145 STYDMVGGLTKOIKEIKEVIELPVKHPELFESLGIAOPKGVILY GPPGTG  
ftsh 149 TTFADVAGCDEAKEEVAELVEY.LREPSRFQKLGGKIPKGVLMVGPPGTG  
Paslp 694 IKWGDIGALANAKDVLLLETLEWPTKYEPIFVNCPLRLRSGILLYGYPGCG  
NSF 224 EKMGI GGLDDEFSDIFRRASFASRVFPPEIVEQMGCKHVKGILLYGPPGCG

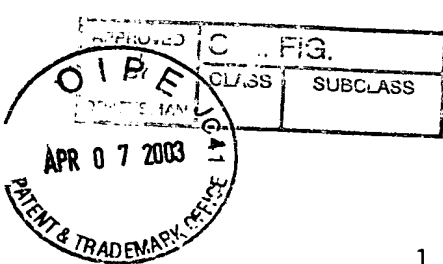
p60 280 KTMLAKAVATECGTTFFN.VSSASLTSKYHGESEKLVRLLEFEMARFYAP.  
mei-1 239 KTLIARAIASESSSTFFT.VSSTDLSKWRGDSEKIVRLLEFELARFYAP.  
Suglp 195 KTLARAVAHHTDCKEIR.VSGAELVOKYICEGSRMVRELFVMAREHAP.  
ftsh 198 KTLAKAIAAGEAKVPFFT.ISGSD FVEMFVGVGASRV RDMFEQAKKAAP.  
Paslp 744 KTLASAVAQOCGLNFIS.VKGPEILNKFIGASEONIRELFERAOSVKP.  
NSF 274 KTLARQIGKMLNAREPKV.VNGPEILNKYMGESEANIRKLFADAEERQRR

p60 328 .....STIFI DEIDSICSKR..GTGSEHEASRRVKSELLIOMDGVSGP  
mei-1 287 .....SIIFI DEIDTLGGOR..GNSGEHEASRRVKSEFLVOMDG....  
Suglp 243 .....SIIFMDEIDSITRGSTVEGSGGGDSEVORTMLELLNQLDGFET.  
ftsh 246 .....CIIFI DEIDAVGRORCAGLGCGHDEREOTLNQMLVEMDGFEG.  
Paslp 792 .....CILEFDEFDSIAPKRGH...DSTGVTD RVVNQLLTOMDGAEGL  
NSF 324 LGANSGLHIIIFI DEIDAICKQRGS.MAGSTGVHDTVNVNQLLSKIDGVEQL

p60 369 SAGEESSKMVMVLAATNFPWDIDEALRR..RLEKRIYIPLPEIDGREQLL  
mei-1 324 SQNKFD SRRVFVLAATNIPWELDEALRR..RFEKRIFIPLPDIDARKKLI  
Suglp 285 .....SKNIKIIMATNRDLIDPALLRPGRIDRKIEFP PPSVAARAEIL  
ftsh 288 .....NEGIIVIAATNRPDVLDPALLRPGRFDRQVVVGLPDVRGREOIL  
Paslp 832 D.....GVYILAATS RPDLIDSALLRPGRLDKSVICNIPTESERLDIL  
NSF 373 N.....NILVIGMTNRPDLIDEALLRPGRLLEV KMEICLPDEKGRLOIL

p60 417 RINL.....KEVPLADDIDLKSIAEKMDGYSGADIT  
mei-1 372 EKS.....EGTPKSDEIN YDDLAARTEGFSGADV  
Suglp 329 RIHS.....RKMNLTRGINLRKVAEKMNGCSGADV  
ftsh 332 KVHM.....RRVPLAPDIDAIIARGT PFGSGADLA  
Paslp 875 QAI VNSKDKDTGOKKFALEKNADLKLIAEKTAGFSGADLO  
NSF 416 HI...HTARMRGHQ..LLSADV DIKELAVETKNFSGAELE

FIG. 1B



1 MATKRAWKLOELVAHSSNVNCLALGPMSGRVMVTGGEDKK  
41 VNLWAVGKONCIISLSGHTSPVDSVKFNSSEELVVAGSQS  
81 GTMKIYDLEPAKIVRTL TGHNSIRCMDHFHFGFVASGS  
121 TDTNVKLWDVRRKGCITYYKGHSDQVNMIFSPDGKWLVT  
161 ASED TTIKLWDLTMGKLFQEFKNHTGGVTGIEFHPNEFLL  
201 ASGSSDRTVQFWDLETFQLVSSTSPGASAVRSISFHPDG  
241 YLFCSSQDMLHAFGWEP IRCFDTF SVGWGKVADTVIASTQ  
281 LIGASFNATNVSVYVADLSRMSTTGIAQEPQSQPSKTPSG  
321 GAEVPSKPLTASGRKNFVRERPHTTSSKORQPDVKSEPE  
361 RQSPTQDEGVKDDDATDIKDPDSYAKIFSPKTRVDHSPER  
401 NAQPFPAPLDVPGAQEPEPFKHPPKPAAAA AVAPVSRAPA  
441 PSASDWQPAQANPAPNRVPAATKPVPAQEVAPSRKPDPI  
481 TIIPSDRNKPANLDMDAFLPPAHAAQOAPRVNAPASRKQSD  
521 SERIEGLRKGHDSMCQVLSSRHRNLDVVRAIW TAGDAKTS  
561 VESVVMKMDQAILVDILNIMLLKSLWNLDMCVVVLPRLK  
601 ELLSSKYENYVHTSCAC LKLILKNFTSLFNQNIKCPPSGI  
641 DITREERYNKCSKCYSYLIATR GYVEEKQHVSGKLGSSFR  
681 ELHLLLDQLE

FIG. 2A BEST AVAILABLE COPY

Sp p80 4 KRAWKLOELVAHSSNVNCLALGPMSGRVMVTGGEDKKVNLWA  
Hs p80 8 KTAWKLOELVAHASNVSSLVLGKASGRILLATGGDDCRVNLWS  
Hs TFIID 531 KTASELKILYGHSGPVYGFSP.DRNYLLSSSEDGTVRLWS  
Tc Pkwa 489 ASGDELHTLEGHTDWVRVAFSP.DGALLASGSDDATVRLWD  
Sp p80 46 VGKQNCIIISLSGHTSPVDSVKFNSSEELVVAGSQSGTMKIYD  
Hs p80 50 INKPNCIMSLTGHTSPVESVRLNTPEELIVAGSQSGSIRVWD  
Hs TFIID 572 LQFTTCLVGYKGHNYPVWD TQFSPYGYFVS GGHDRVARLWA  
Tc Pkwa 530 VAAAEERAVFEGHTHYVLDIAFSPDGSMVASGSRDGTARLWN  
Sp p80 88 LEPKIVRTLTGHNSIRCMDHFHFGFVASGSTDTNVKLWD  
Hs p80 92 LEAAKILRTLMGLKANICSLDFHPYGEFVASGSQDTNIKLWD  
Hs TFIID 614 TDHYQPLRIFAGHLADVNCTRFHPNSNYVATGSADRTVRLWD  
Tc Pkwa 572 VATGTEHAVLK GHTDYVYAVAFSPDGSMVASGSRDGTIRLWD  
Sp p80 130 VRRKGCITYYKGHSDQVNMIFSPDGKWLVTASEDTTIKLWD  
Hs p80 134 IRRKGCVFRYRGHSQAVRCLRFSPDGKWLASAADDHTVKLWD  
Hs TFIID 656 VLNGNCVRIFTGHKGPIHSLTFSPNGRFLATCATDGRVLLWD  
Tc Pkwa 614 VATGKERDVLQAPAENVVSLAFSPDGSMVLVHG.SDSTVHLWD  
Sp p80 172 LTMGKLFQEFKNHTGGVTGIEFHPNEFLLASGSSDRTVQFWD  
Hs p80 176 LTAGKMMSEFPCHTGPVNVVEFHPNEYLLASGSSDGTIRFWD  
Hs TFIID 698 IGHGLMVGELKCHTDTVCSLRF SRDGEILASGSM DNTVRLWD  
Tc Pkwa 655 VASGEALHTFECHTDWVRAVAFSPDGALLASGSDDRTIRLWD  
Sp p80 214 LETFQLVSSSTSPGASAVRSISFHPDGSYLFCSSQDMLHAFGWE  
Hs p80 218 LEKFQVVSRIECEPGPVRSVLFNPDGCCLYSGCQDSLRYGWE  
Hs TFIID 740 AIKAFEDLETDDFTTATGHINLPENSQELLGTY..MTKSTPV  
Tc Pkwa 697 VAAQEEHTTLEGHTEPVHSAVAFHPEGTTLASASEDGTIRIWI

FIG. 2B

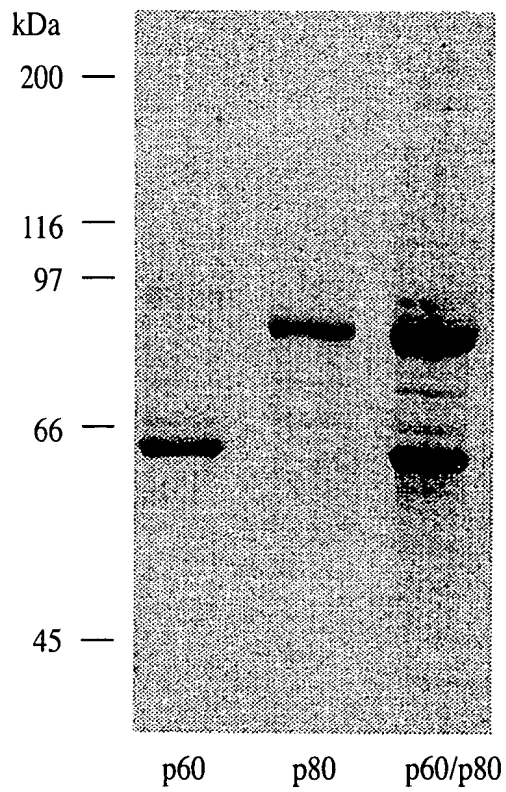


FIG. 3A

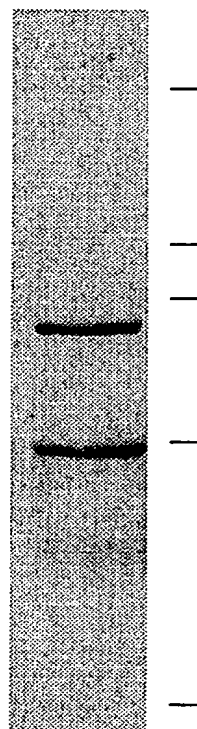


FIG. 3B

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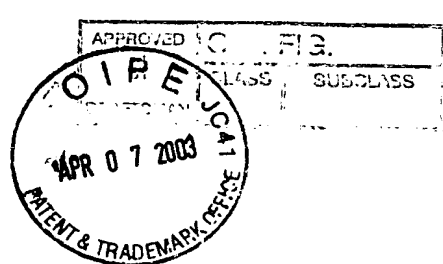


FIG. 4A

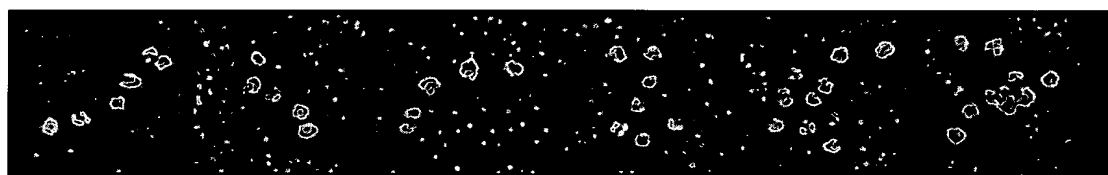


FIG. 4B

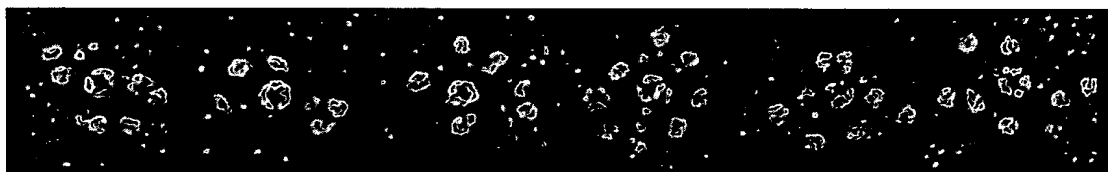


FIG. 4C

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FIG. 4D

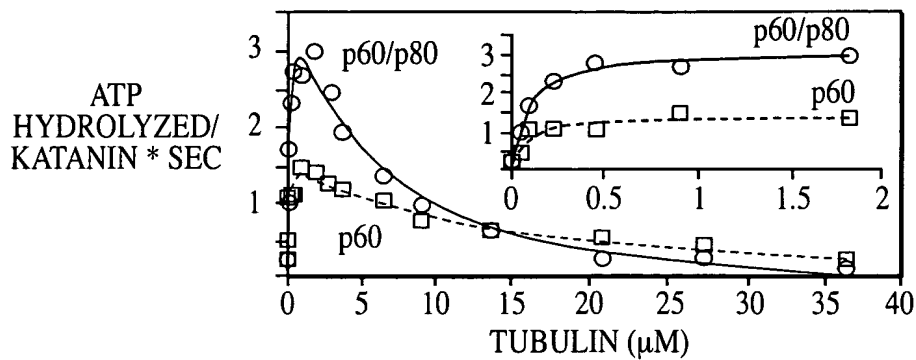


FIG. 5A

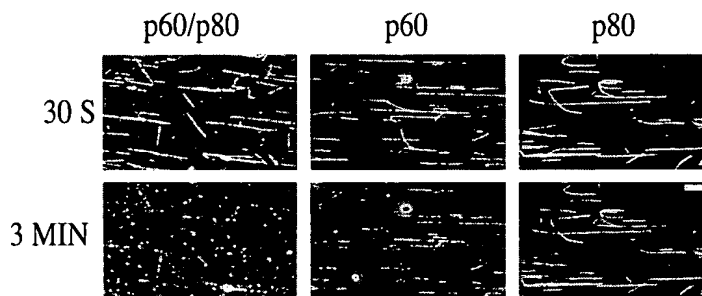


FIG. 5B

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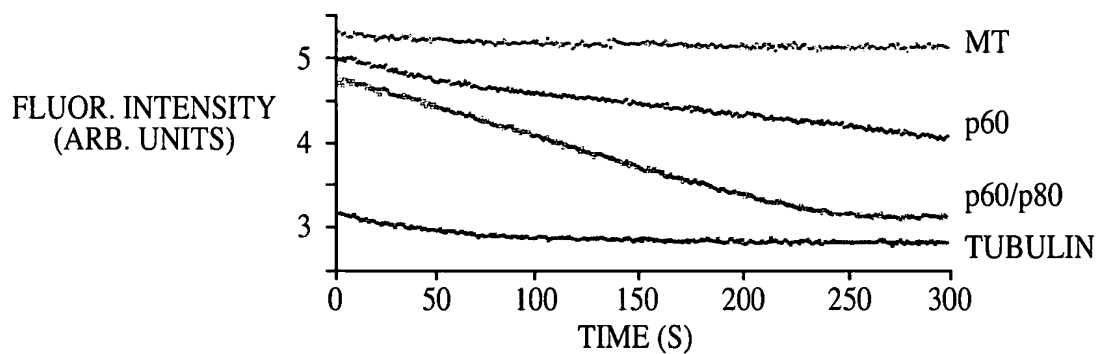


FIG. 5C

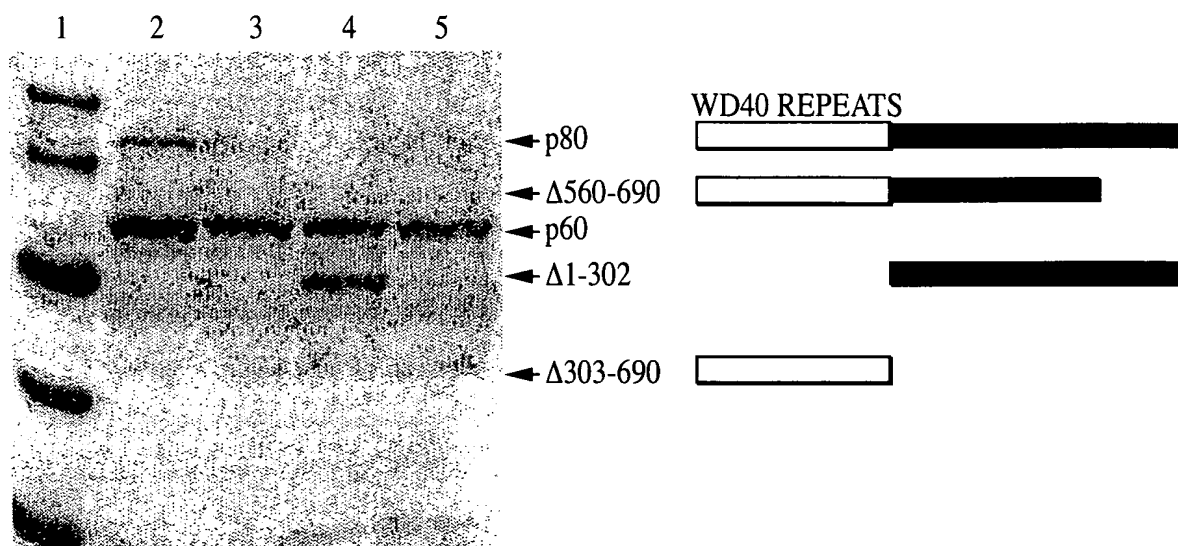
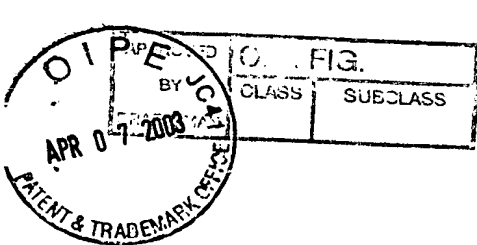


FIG. 6

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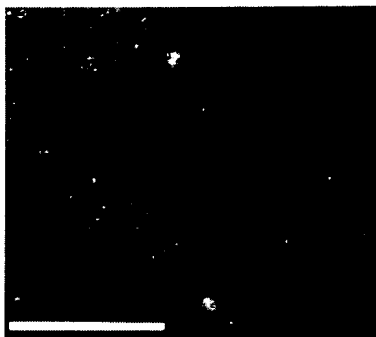


FIG. 7A

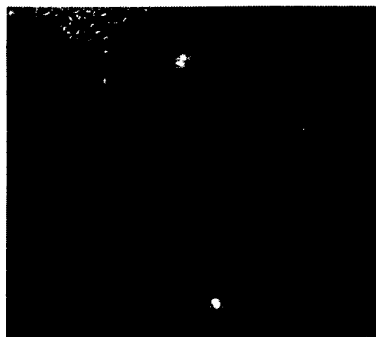


FIG. 7B



FIG. 7C



FIG. 7D

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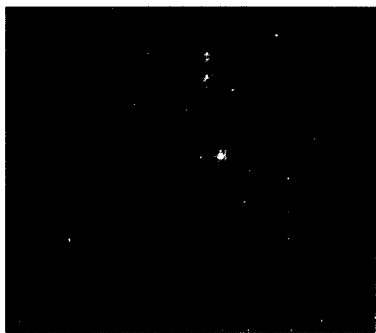


FIG. 7E

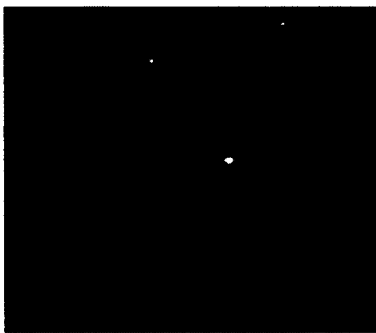


FIG. 7F